

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

0575/65219-
A/JPW/PJP/PL

Serial No.

09/898,417

Applicants

Michael Rosen, et al

Filing Date

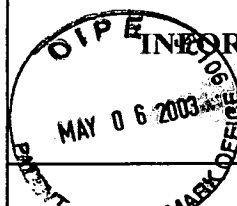
July 3, 2001

Group

1636 1635

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
DW	6 2 1 4 8 1 0	4/10/01	Fermini, et al (Exhibit 3)	514	75	RECEIVED MAY 08 2003 TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No
0 0 6 3 4 3 4	10/26/00	WFO PCT (Exhibit 4)			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DW	U.S. Application Publication No. 2002/0155101, published October 24, 2002, Donahue, et al. (Exhibit 5)
DW	U.S. Application Publication No. 2002/0103147, published August 1, 2002, Hammond, et al. (Exhibit 6)

EXAMINER

Brian A. H. H.

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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicants: Michael R. Rosen, et al.
U.S. Serial No.: 09/898,417
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Exhibit 2

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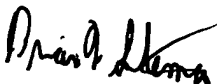
Group

1635

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BL	Altomare C, et al., "Integrated allosteric model of voltage gating of HCN channels," <i>J Gen Physiol</i> , (2001) 117(6):519-32. (Exhibit 5)
	Altomare C, et al., "Allosteric Voltage-Dependent Gating of HCN Channels," (abstract) (Exhibit 6)
	DiFrancesco, D. "Generation and control of cardiac pacing: the pacemaker current," <i>Trends Cardiovasc. Med</i> , (1991), 1:250-255. (Exhibit 7)
	Ellingsen, O. et al., "Adult rat ventricular myocytes cultured in defined medium: phenotype and electromechanical function," <i>Am. J. Physiol</i> , (1993), 265(2): 747-754. (Exhibit 8)
	Porciatti F. et al., "The pacemaker current I_f in single human atrial myocytes and the effect of beta-adrenoceptor and A1-adenosine receptor stimulation," <i>Br J Pharmacol</i> , (1991), 122(6): 963-969. (Exhibit 9)
	Shi W. et al., "The distribution and prevalence of HCN isoforms in the canine heart and their relation to the voltage dependence of I_f ," (Exhibit 10)
	Vassalle M. et al. Pacemaker channels and cardiac automaticity In "Cardiac Electrophysiology. From Cell to Bedside", Eds. (Zipes D. and Jalife W.B. Saunders Co. Philadelphia, PA, 2000, pages 94-103). (Exhibit 11)
	Wainger, B.J. et al., "Molecular mechanism of cAMP modulation of HCN pacemaker channels," <i>Nature</i> , (2001), 411(6839):805-10. (Exhibit 12)
BL	Michael R. Rosen, et al., "A High Throughput Biological Heart Rate Monitor That is Molecularly Determined," U.S. Serial No. 09/875,392, filed June 6, 2001 (Exhibit 13)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BW		Abbot G.W. et al., "MiPR1 forms I _{kr} potassium channels with HERG and is associated with cardiac arrhythmia cell," (1999), 97(2):175-187. (Exhibit 2)
		Accili E.A. et al., "Properties and modulation of I _f in newborn versus adult cardiac SA node," <i>Am. J. Physiol.</i> (1991), 272:1549-1552. (Exhibit 3)
BW		Accili E.A. et al., "Differential control of the hyperpolarization-activated current (I _f) by intracellular cAMP and phosphates inhibition," <i>J. Physiol.</i> (1996) 491:115. (Exhibit 4)

EXAMINER <i>Brian A. Hester</i>	DATE CONSIDERED <i>8/27/02</i>
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Exhibit 1